

ABSTRACT

A polymer electrochemical generator having a plurality of electrochemical cells, each including at least one current collecting terminals, as well as a resilient heat sink material positioned adjacent and in mechanical contact with the current collecting terminals. The resilient heat sink material is electrically resistive and thermally conductive. A thermally conductive structural housing having walls encloses the plurality of electrochemical cells and the resilient heat sink material. The walls of the structural housing are positioned adjacent the resilient heat sink material and are in thermal contact therewith, for dissipating thermal energy generated by the plurality of electrochemical cells.